TRANSMITTAL FOR **CONTROLLED PROCEDURES**

BHI PROJECT FILE (EDMC)	Transmittal No. Date			
18	TR-OP-36	01-12-95		
H6-08	Document No./Title of Mar	nual		
	BHI-OP-00004			

The procedure(s) listed below are being issued by BHI Procedures Coordination as new or revised procedures.

procedures.		
PROCEDURE NO.	REV. NO.	TITLE
Revision Order C to BHI-OP-00004	2	200-BP-5 Unit #2 Pilot Scale Groundwater Treatment System Operating Procedures
		NOTE: This revision order does not supersede Rev. 2 of this
		procedure . It should be added to your controlled copy of
		BHI-OP-00004, Rev. 2.

Receipt	Ackno	wledgment

I acknowledge receipt of	the procedure(s) listed above.	These procedures have been
appropriately inserted	d and the superseded material	removed and disposed of.

Signature:	to Chin	Kilen	Date: /-	-20-95
New address if differe	nt than listed above	<i>J</i>		

PLEASE RETURN THIS SIGNED TRANSMITTAL WITHIN TEN WORKING DAYSO

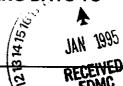
BHI Procedures Coordination/Natalie Majuri 372-9555

H4-79

BHI-DC-001 (8/94)

PLEASE DO NOT STAPLE OR TAPE

H4-79



Controlled To: Bill Post File (EDNX)

REVISION ORDER					Page 1 of _3_
DOCUMENT TO BE CHANG	GED:	BH1-OP-00004	2	1/12/95	C_{-}
		Document Type/No.	Rev.	Date	Rev. Order ID (Assigned by DCC)
Change Type:	[X] General	[] Site Spec., Site	[] Exc	eption	[] Revision
Approval of this rev	vision shall a	lter the document identifi	ed above fo	or:	
[] Sites		[X] the project as det	ailed belo	w in Section	2.
Initiated by:	AL Huegel	Azhud	1/12/95	Revision Re	equired by: 1/13/95
		Name	Date		Date
Reason for change:		Revise section to refle	ect electri	cal upgrades.	
DESCRIPTION OF CHANG	GE:				
Section	Description	i :			- 187 the rese
2.1	Replace sec	tion 2.1 with the attached	text.		**************************************
	-			<u></u>	
		,			
-					
REVIEWED:	ty le	Lean		1/12	2/95
		Project Quality Assurance	Manager		Date
CONCUR:	T	un toshi	h	1,	12/95
		Functional/Area/Project M	lanager		Date

2.1 Electrical Power

- Verify that the disconnect switches on the generator, disconnect DP-2, disconnect Main MCC, the main control panel disconnect, and the main control panel transformer disconnect are off and that the electrical connectors are properly connected. During cold weather activities, the generator, the generator disconnect, and the disconnect for DP-2 will be left on to allow heat tracing to heat the piping.
- 2.1.2 Before starting operation, start the generator, or if permanent power is available go to the next step. The generator may be left on 24 hours a day during cold weather activities. If the generator is on, go to the next step.
- 2.1.3 If generator is not running and prior to start of operations, verify that the 480 VAC power control switches to equipment (pumps, etc.) are in the "Off" position. Verify that the breakers in panel DP-2 are in the proper position prior to energizing any switches. If the generator is running, verify that control switches are in the appropriate positions for the equipment that is operating.
- 2.1.4 Energize power to the control panel by actuating the main disconnect switches (on generator, disconnects DP-2 and Main-MCC, main control panel, and main control panel transformer) and the control power switch(es) to equipment to be started.
- 2.1.5 Energize power to 110 VAC system for level controls and PLC.
- 2.1.6 Reset MBV control switches at the influent skid.
- 2.1.7 Table 2.1 is provided to document these steps.

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Table 2.1. Electrical Power Startup Checklist.

DATE:	
OPERATOR:_	

	Electrical Power Checklist	Verified/Date
1)	Verify that the disconnect switches on the generator, disconnect DP-2, disconnect Main MCC, the main control panel disconnect, and the main control panel transformer disconnect are off and that the electrical connectors are properly connected. Disconnect on the generator, and disconnect DP-2 may be left on 24 hours during cold weather.	
2)	If generator is not running and prior to start of operations, verify that the 480 VAC power control switches to equipment (pumps, etc.) are in the "Off" position. Verify that the breakers in panel DP-2 are in the proper position prior to energizing any switches. If the generator is running, verify that control switches are in the appropriate positions for the equipment that is operating. Before starting operation, start the generator.	
3)	Energize power to the control panel by actuating the main disconnect switches (on generator, disconnects DP-2 and Main-MCC, main control panel, and main control panel transformer) and the control power switch(es) to equipment to be started. Disconnects on generator and DP-2 may be left on 24 hours during cold weather.	
4)	Energize power to 110 volt system for level controls and PLC.	
5)	Reset MBV control switches at the influent skid.	